

# THE BULLETIN

UNIVERSITY OF TORONTO

JULY 24, 2007 • 61ST YEAR • NUMBER 1

## Two Appointed to Order of Canada

By Ailsa Ferguson

**T**WO OF U OF T'S EMINENT FACULTY members — U of T's interim president and a woman who brought the joy of music to thousands of children — are among the 71 distinguished Canadians appointed to the Order of Canada, this country's highest honour for lifetime achievement.

The appointments of Frank Iacobucci, interim president in 2004-2005, and Professor Emeritus Doreen Hall of music were announced June 29 by Governor-General Michaelle Jean.

This year marks an important anniversary for the Order of Canada. It was created on July 1, 1967, and has since become the centrepiece of our country's System of Honours," the announcement stated. "2007 is a celebration of 40 years of outstanding achievements and

excellence in all sectors of society."

Iacobucci, well known for his considerable contributions to the advancement of education, law and jurisprudence in Canada, was named a companion, the order's highest designation. Iacobucci joined the Faculty of Law in 1967, serving the university as dean (1973-75 and 1979-83), vice-president (internal affairs)

(1975-78) and vice-

president (1983-85).

In 1985 he was appointed deputy minister of justice and deputy attorney general of Canada; he became chief

justice of the Federal Court of Canada in 1988. In 1991 he was appointed a justice of the Supreme Court of Canada. He retired from the court in 2004 and later that year was appointed interim president of U of T, where he rejoined the Faculty of Law as

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### Feltrinelli Prize

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### Royal Society of Canada

See Page 3

## Noted Researcher to Head New Centre at Rotman

By Ken McGuffin

**N**OTED RESEARCHER RICHARD Florida has joined the faculty of the Rotman School of Management. Florida will be a professor of business economics and the academic director of the newly established Centre for Jurisdictional Advantage and Prosperity at the Rotman School.

The Centre for Jurisdictional Advantage and Prosperity, a \$120-million project, was made possible by a cornerstone \$50-million grant to the Rotman School by the Province of

Ontario. The centre will take an integrative approach to the study and creation of jurisdictional advantage. Over the past decade, the Rotman School has assembled the largest academic research group in Canada dedicated to the study of jurisdictional advantage and prosperity. However, the study of how jurisdictions, including provinces, become magnets for companies to start up, locate and grow, and for talent to study, live and work, has been fragmented across many diverse fields.

Florida's background and expertise made him an ideal candidate to lead the new centre. He is well known for his work on economic competitiveness, demographic trends and cultural and technological innovation. In the last five years he has written the international bestseller *The Rise of the Creative Class* and also *The Flight of the Creative Class*, which launched an intellectual revolution that has changed the way companies, nations and communities compete and thrive.

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MILLION DOLLAR MILE

*Bruce Kidd (left), dean of the Faculty of Physical Education and Health, and former Olympic and Varsity Blues teammate Bill Crothers hand off to current Blues track star Megan Brown as they open the new John L. Davenport Track.*

## New Varsity Centre Track Inaugurated

By Valerie Iancovich

**H**EAVY RAIN AND CLOUDY SKIES may not sound like a great backdrop for one of the most important track meets in U of T history. But the grim weather July 8 did nothing to dampen the mood at the Kidd-Crothers Classic at the University of Toronto's new Varsity Centre.

"People sat in the rain with huge smiles on their faces," said Professor Bruce Kidd, dean of the Faculty of Physical Education and Health.

The meet — named after Kidd and fellow alumnus and Olympic silver medalist Bill Crothers — was the first public track event at Varsity Centre and the final component of a weekend celebration,

which included a gala fundraising dinner.

The evening began with a ceremony to recognize the Davenport family who donated \$1.7 million to build the track in memory of 1929 U of T grad and pole vault champion John Davenport.

The sports events kicked off

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## CALL FOR PARTICIPATION

The NETWORK OF CENTRES OF EXCELLENCE secretariat has announced a call for proposals for its 2008 competition to fund Centres of Excellence for Commercialization and Research. A total of \$165 million is available. Awards are expected to average \$15 million over five years, primarily towards the cost of commercialization. (See [www.nce.ca](http://www.nce.ca)) Eligible recipients for funding include not-for-profit corporations created by universities and colleges, not-for-profit research organizations, firms and other interested non-governmental parties. This provides opportunities for U of T-focused proposals developed with not-for-profit



delivery partners and/or U of T involvement in proposals originating from industry and other research institutes. The office of the vice-president (research) is developing a list of proposals being considered. Please send one or two lines on any initiative you are considering to Judith Chadwick ([j.chadwick@utoronto.ca](mailto:j.chadwick@utoronto.ca)). An information session with potential applicants will be held in the last week of July to review letter of intent requirements, including partnership arrangements with proposed centres, centre deliverables and strategic focus and sources of matching funding.



Richard Florida

## IN BRIEF



### SCARBOROUGH ALUMNUS NAMED LIEUTENANT-GOVERNOR

UNIVERSITY OF TORONTO SCARBOROUGH ALUMNUS DAVID ONLEY HAS BEEN named the next lieutenant-governor of Ontario by Prime Minister Stephen Harper. Onley, a host, anchor and reporter at Citytv, will replace James Bartleman, whose four-year term ends July 31. Onley, who was stricken with polio as a child, was one of Canada's first disabled on-air personalities and now, he says, will use his new role to further causes like access for the disabled. As he told UTSC staff last year, "My greatest accomplishment, in some important ways, is being one of the very first people with a physical disability to be a news person in Canada. I've been able to report on the changing issues affecting the disability community as it has changed, and for the better too."

### UNIVERSITY HAS NEW OMBUDSPERSON

JOAN FOLEY, AN EMERITUS PROFESSOR OF PSYCHOLOGY, WAS NAMED BY Governing Council as the university ombudsman for a three-year term beginning July 1. Foley has served the university community for a number of years in a variety of roles. She has been chair of the Department of Psychology and of the Division of Life Sciences at Scarborough, associate dean of arts and science, principal of the University of Toronto Scarborough and vice-president and provost of the university. She has also served as a member of Governing Council and as senior assessor to Academic Board and the planning and budget committee. Her commitment to students is reflected by her work as graduate secretary of the Department of Psychology and as psychology program supervisor at Scarborough. In recognition of her dedication to students, the University of Toronto Alumni Association established an annual award in her name, the Joan E. Foley Quality of Student Experience Award.

### ENGINEERING GRADUATE CHOSEN ALUMNI ASSOCIATION PRESIDENT

PAUL CADARIO, A 1973 CIVIL ENGINEERING GRADUATE OF THE FACULTY OF Applied Science and Engineering, has been chosen as the new president of the University of Toronto Alumni Association for a two-year term effective immediately. Cadario is the senior manager for trust fund quality assurance and compliance for the World Bank in Washington, D.C. He earned a Rhodes Scholarship after completing his undergraduate degree at U of T and received a master's degree in philosophy, politics and economics from the University of Oxford. Cadario also has a master's degree in organizational development from the American University in Washington, D.C. Cadario's ties to the University of Toronto are strong. He is president of the Associates of U of T and as chair of the university's college of electors led the search committee that selected Chancellor David Peterson. He chairs the dean's advisory board in the Faculty of Applied Science and Engineering and is also a member of the advisory board for the School of Public Policy and Governance. He served for 10 years on Governing Council and in 1994 received an Arbor Award in recognition of his voluntary contributions to the university.

## THE BULLETIN

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## AWARDS & HONOURS

### FACULTY OF ARTS & SCIENCE

PROFESSOR BRIAN STOCK OF ENGLISH IS THE WINNER OF the International Feltrinelli Prize, awarded by the president of Italy July 6 at a ceremony in the Palazzo Corsini, Rome, in the presence of the Canadian ambassador to Italy, the Canadian ambassador to the Holy See and the president of the Italian Academy. The idea behind the International Feltrinelli Prizes, awarded annually since 1950, was to provide an Italian equivalent of the Nobel Prizes in fields not covered by the Nobel Prizes. Each year a winner is chosen in a different area such as history, music and the arts. Stock was awarded the prize for the combined fields of history and literature and is the first Canadian to receive the prize.

### ROTMAN SCHOOL OF MANAGEMENT

PROFESSOR GORDON RICHARDSON, KPMG PROFESSOR OF Accounting, is the recipient of the Canadian Academic Accounting Association's 2007 Hain Fall Award for distinguished contribution to accounting thought, given in recognition of a significant contribution to scholarly thinking and research in Canada through a body of work that has clearly contributed to the advancement of accounting thought. Richardson received the prize June 1 during the association's annual conference in Halifax.

### FACULTY OF MEDICINE

LAURA COOK, A LECTURER IN PHYSICAL THERAPY, IS THE winner of an Outstanding Presentation Certificate during the World Physical Therapy Association Congress, held in Vancouver June 2 to 6. Cook received the certificate for the abstract entitled Utilizing Geographic Information Systems in the Rehabilitation of Capacity and Demand for Community Rehabilitation Services. Professor Cheryl Cott of physical therapy and Emily Borsey, a geography student at Ryerson University, were her co-investigators.

PROFESSOR ROBERT INMAN OF MEDICINE HAS BEEN NAMED the recipient of the Ontario March of Dimes Jonas Salk Award for 2007, granted to a Canadian researcher who has made an outstanding contribution to the alleviation, cure or prevention of a physically disabling condition. Inman was recognized for his outstanding achievement as a pioneer in the treatment of ankylosing spondylitis, one of the most common forms of arthritis affecting young adults.

### OISE/UT

THE INSTITUTE FOR KNOWLEDGE INNOVATION AND TECHNOLOGY, based at OISE/UT, is the winner of the ORION Learning Award, recognizing the achievements of faculty, students and/or staff in promoting successful examples of collaborative teaching, learning and training. Presented at the Ontario Research and Education Summit June 4 at the MaRS Discovery District, the ORION (Ontario Research and Innovation Optical Network) Awards recognize achievements in research, education and scientific discovery.

COMPILED BY AILSA FERGUSON



## Arts and Science Review Earns CASE Gold

By Ailsa Ferguson

IT'S AWARDS SEASON AGAIN AND WITH IT come the results of two major communications competitions, with U of T winning a collection of gold, silver and bronze medals.

*idea5*, the arts and science review, led the way on the international scene, winning the gold medal in the special interest magazines category in the U.S.-based Council for the Advancement and Support of Education (CASE) circle of excellence program, perhaps advancement's most prestigious awards program.

"The judges in this category are not gushy types," the judges report says. "But when *idea5*, from the University of Toronto, made its way around the table, we were all taken aback. And then we gushed: 'simple and sophisticated,' 'inviting,' 'restrained and cosmopolitan,'

"fresh." And they added, among other comments: "Concerning the look of *idea5*, our art director judge added: 'Wonderful confluence of high-caliber artwork, layout and editorial that balance each other in a very symbiotic way.'"

The review also won a bronze in the visual design in print category for the autumn 2006 issue. Winners will receive their awards later this summer.

On the home front, the *University of Toronto Magazine* brought home two gold medals in the Canadian Council for the Advancement of Education (CCAE) 2007 print xcellence program, recognizing outstanding achievements in alumni affairs, public affairs, development and overall institutional advancement — one in the best writing/article (English language) category for A Room of One's Own by Stacey

Gibson in the autumn 2006 issue, the other for best photograph for Liam Sharp's portrait of Professor Kenneth Bartlett accompanying the article A Constant Quest in the same issue. Also to be congratulated on winning CCAE gold is *Trinity* magazine for best magazine under \$100,000.

The arts and science review, *idea5*, won silver for best magazine while *Edge*, published by the office of the vice-president (research) and associate provost, garnered bronze for best magazine under \$100,000. The *University of Toronto Magazine* won bronze for best photograph for Liam Sharp's photograph to accompany Stacey Gibson's profile of Professor Jeffrey Rosenthal.

Winners received their prizes June 4 at the *précis* d'excellence luncheon during the CCAE annual conference in Charlottetown.

## Royal Society Honours 14 U of T Faculty

By Anjali Bachwal

THE ROYAL SOCIETY OF CANADA, this country's oldest and most prestigious scholarly organization, has elected 78 new fellows to its ranks and 12 of them come from the University of Toronto. Two faculty members were also awarded medals for achievement in their fields by the society.

Named to the Academy of the Arts and Humanities are Professors James Brown of philosophy, an expert in thought experiments in the natural sciences, visual reasoning in mathematics and various issues involving the relation between science and society; and Ian Lancashire of English, Canada's pioneer and premier theorist and practitioner of humanities computing.

Joining the Academy of Social Sciences are Professors Gary Crawford of anthropology at U of T Mississauga, a leader in the investigation of human-plant interaction in prehistory; Kenneth Leithwood of OISE/UT, who has made a sustained contribution over almost three decades to the study and understanding of leadership, school organization and educational reform; Peter Singer of bioethics, an internationally recognized bioethicist and expert in science policy and global health; and Barry Wellman of sociology, who ranks among the world's foundational leaders in social network analysis.

Named to the Academy of Science are Professors John Mylopoulos of computer science, who pioneered the use of

conceptual modelling within the three separate computer science fields of artificial intelligence, data management and software engineering; Paul Young of civil engineering, a pioneer in rock mechanics and geophysics; Theodore Shepherd of physics, the leading Canadian atmospheric dynamics of his generation; Lisa Jeffrey of computer and mathematical sciences at U of T Scarborough, who has made fundamental contributions to symplectic geometry, module spaces and mathematical physics; Eugenia Kuznetsova of chemistry, known for her contributions in the field of complex fluids, polymer science and materials chemistry; and Peter Martin of astronomy and astrophysics, who is internationally recognized as a major world figure in studies of the physics and chemistry of the interstellar medium.

Professor John Challis of physiology was awarded the McLaughlin Medal, recognizing important research of sustained excellence in medical science. Professor Gregory Scholz of chemistry was named winner of the Rutherford Memorial Medal in Chemistry, given for outstanding research in physics and in chemistry.

Founded in 1882, the society's primary objective is to promote learning and research in the arts and sciences. The 1,800 fellows are selected by their peers for outstanding contributions to the natural and social sciences and the humanities. The new fellows will be inducted at a ceremony to be held in Edmonton Nov. 17.

## UTM to Offer Off-Campus Childcare

By Jane Stirling

FAMILY DAY CARE SERVICES, a GTA-based leader in early learning and care, will be opening a licensed on-campus childcare centre at U of T Mississauga this fall.

The facility, which will accommodate up to 13 toddlers and preschoolers at one time, will be located in two renovated townhouses in the current student-family housing area. At a campus meeting with students, staff and faculty July 17, Family Day program manager Cheryl Rogers said there will be room for five toddlers (18 to 30 months) and eight preschoolers (30 months to five years) supervised by two early childhood educators and an assistant. Full- and part-time childcare options will be available.

U of T Mississauga students, staff and faculty will receive priority access, said Mark Overton, dean of student affairs. Any child-

care spots left unfilled will be offered to community members.

"We feel we've found a great partner with Family Day," Overton noted. "We went through a lengthy and thorough process to find the best child care match for our campus."

The centre will operate weekdays year-round. Although no decisions have yet been made concerning fees, Mary Jane Cummins, supervisor of service access for Region of Peel Children's Services, encouraged parents to apply immediately for a childcare subsidy. Eligibility information is available online at [www.region.peel.on.ca/childcare](http://www.region.peel.on.ca/childcare). She noted that families with an income of less than \$70,000 are generally eligible.

Currently, the U of T Students' Union and Erindale Part-time Undergraduate Students operate a child learning service for five children in the Student Centre, which will be phased out.



## President Condemns Academic Boycotts

By Elaine Smith

PRESIDENT DAVID NAYLOR expressed the University of Toronto's fundamental opposition to academic boycotts in a June 25 speech to Governing Council.

Naylor's remarks were made in response to a June 8 vote by the British University and College Union, a group representing a substantial number of academics in Great Britain, to consider an academic boycott of Israeli universities and scholars as a way to show their displeasure over Israel's policies regarding Palestinians.

Naylor told Governing Council that academic boycotts are antithetical to the fundamental values of the university and that the University of Toronto could best protect and enhance human

rights by guarding and promoting academic freedom and free expression.

"The university strenuously objects in principle to any boycotts as broad-brush politicization of academic discourse," Naylor said. "The university specifically objects to the scapegoating of any country's academics by those whose quarrel is with the policies of that country's government."

He noted that academic boycotts targeting scholars of any nation were the first steps down the dangerous slope of politicization of the global academic enterprise and that the eventual outcome would be diminished discourse among scholars, their students and their societies.

Naylor told Governing Council that in the years ahead, it is likely

the university will deepen ties with Israeli universities as well as with other institutions worldwide. He also noted that individual scholars would continue to collaborate actively with international colleagues solely on the basis of shared academic interests.

In consultation with Governing Council's executive committee, the president has sent a letter to the general secretary of the British University and College Union explaining the university's position on academic boycotts and its concerns about their deleterious effects on academic discourse.

Visit [www.utoronto.ca/govcnc/bac/details/gc/2006-07/gcr20070625.pdf](http://www.utoronto.ca/govcnc/bac/details/gc/2006-07/gcr20070625.pdf) to view Naylor's remarks; the letter is available at [www.news.utoronto.ca/news/bin07/buccu.pdf](http://www.news.utoronto.ca/news/bin07/buccu.pdf).

## Copyright Vigilance Under Scrutiny

By Michelle MacArthur

FACULTY ARE BEING ENCOURAGED to brush up on their knowledge of copyright regulations with an Access Copyright nationwide analysis of course pack production, set to take place during the coming academic year.

Access Copyright is a copyright collective that represents most publishers and allows faculty to copy certain printed materials and assemble them into course packs for sale to students without seeking further permissions.

"Access Copyright will be doing some sampling of materials that are distributed and making sure that they've been done properly, that permission has been obtained and royalties paid where necessary," explained Carole

Moore, U of T's chief librarian.

The upcoming review aims to identify the course pack needs of post-secondary institutions and to assist them in correctly reporting course pack copying. Representatives will visit randomly selected post-secondary institutions and purchase course packs, which will then be compared to the information submitted in the electronic logs where schools are required to report their copying activity.

According to Moore, the biggest challenge in complying with copyright laws is understanding their complexity. "For different types of materials, the idea that you can copy a short portion of it is the principle but there are specific rules for different types of materials, whether they are textbooks or they're

currently in copyright or are in the public domain," she said.

A list of frequently asked questions (FAQ) about copyright issues can be found on the Office of Teaching Advancement website at [www.utoronto.ca/ota/resources/teachingguides/copyright/FAQs.pdf](http://www.utoronto.ca/ota/resources/teachingguides/copyright/FAQs.pdf). An updated version of the FAQ document will be available on the website in the fall.

The Custom Courseware Department, part of the University of Toronto Press, provides course pack services and ensures that the university meets its contractual obligations. The press also handles all reporting and royalty requirements. Inquiries can be directed to the Custom Courseware Department at 416-640-5333, ext. 6219 or [custompub@uoftbookstore.com](mailto:custompub@uoftbookstore.com).



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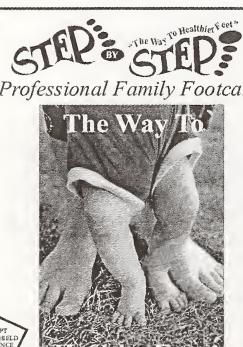
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## New Varsity Centre Track Inaugurated

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when Kidd and Crothers passed a baton to Megan Brown, two-time female athlete of the year and Olympic hopeful, to symbolize the dawning of a new era of excellence at U of T.

Brown then ran the first official lap on the John L. Davenport track with dark clouds adding to the drama.

The meet ushered in a new standard for track and field competition at the University of Toronto. "Our athletes were ecstatic about the opportunity to compete at the schools new facility," said U of T head track coach, Carl Georgevski.

"Seeing the Varsity Centre come to life like this, after so many false starts, felt like a dream come true," added Kidd, a former Olympian and national record holder.

Once the events began, athleticism continued to shine through the poor weather. U of T athletes competed against elite runners and jumpers from around the world with many Blues giving outstanding performances.

In women's competition U of T Paula McLaughlin won gold in the women's 800 metres and Kate Ruediger won a bronze medal in the women's 200 metres. Sarah Boyle took a silver in women's high jump. Colleen Ramphar won the silver medal in women's long jump and teammate Maria Tyumkin won bronze. Simona Kovacic won a silver medal in the

women's pole vault competition and Christy Bray took home the bronze in the same event.

On the men's side U of T's Mark Stewart won bronze in the men's 110-metre hurdles. Derek Watkins won gold in men's high jump. Jason Wurster won gold in men's pole vault, while Massimo Berrochi gave a silver medal-winning performance.

"This meet was an opportunity

for our athletes to meet some of U of T's track legends," Georgevski said, "and to compete against world class athletes and, of course, make some history themselves, participating in the first meet at this incredible facility. We couldn't have asked for a better way to celebrate our sport."

Visit [www.torontotrack.com/pages/news/story.php?whatid=68](http://www.torontotrack.com/pages/news/story.php?whatid=68) for a complete list of results.

## Florida to Head Centre

*-Continued From Page 1-*

Florida is also the founder of the Creative Class Group, a global think-tank, which is based in Washington, D.C. Previously he was the Hirst Professor of Public Policy at George Mason University and a senior scientist with the Gallup organization. He taught for nearly two decades at Carnegie Mellon University. He earned

his bachelor's degree from Rutgers College and his PhD from Columbia University.

Florida is already well known to the university community having participated in several conferences, including three organized by the Rotman school since 2002, and has collaborated with Professor Meric Gertler on comparative studies of Canadian and U.S. city regions.

## Two Join Order of Canada

*-Continued From Page 1-*

order, Hall, a music educator and violinist, introduced the teaching method of German composer Carl Orff, "music for children," to North America while she was teaching at the Royal Conservatory of Music of Toronto. In 1956 she joined U of T's Faculty of Music, lecturing on elementary music education and in 1957, she devised the university-based summer course Music for Children — Carl Orff, subsequently becoming director of Orff studies for this course. She translated and published teaching materials on this approach, which is based on the belief that all children can learn music. Hall has lectured widely and given teacher training courses at major universities throughout North America. Her lifetime work, her passion and commitment, has informed thousands of teachers, students and many professional musicians.

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## IN MEMORIAM

**Owen S. Williams**

Chair of the Soldiers' Tower Committee, passed away June 20, 2007. A retired Naval Lieutenant, he was a dedicated long-term member of the Soldiers' Tower Committee. Serving as Chair since 2004, he oversaw the installation of eight new stained glass windows, one of which he sponsored. This 1950 graduate of St. Michael's College was also a Life Member of Hart House, a member of the President's Circle, and a recipient of the Arbor Award. Respectfully remembered by his friends on the Soldiers' Tower Committee.

The Soldiers' Tower Committee is a sub-committee of the University of Toronto Alumni Association

For information about the Soldiers' Tower contact 416-978-0544.

## U of T Co-Chairs First-Year Experience Conference

By Cathy Baillie

MOST PEOPLE GO TO HAWAII on vacation but recent Presidents Teaching Award recipient Corey Goldman went to Hawaii's Big Island earlier this month to represent the University of Toronto and Canada at the international conference on the first-year experience. Five institutions co-hosted this year's 20th anniversary conference including U of T. This is the second time the University of Toronto has co-hosted the conference; the 2006 event was held on our campus.

While at the conference, Goldman, a senior lecturer and associate chair in ecology and evolutionary biology, participated in an international panel that discussed how the first year has changed over the past 20 years, what the challenges are now and what the outlook is for the future.

## UTM Receives Service Award

By Stu Watson

UTM OF MISSISSAUGA HAS RECEIVED a national award for revolutionizing the way it does business with its students.

"Essentially, we digitized everything — and I mean everything," said Diane Crocker, registrar and director of enrolment management at U of T Mississauga. "And that means our students need only go online for most services and not stand in line."

The first-place (Ontario) award was made to the Mississauga registrar's office by the Canadian Association of University Business Officers. It recognizes UTM's use of technology to improve efficiency, greatly increase service levels, save money and, most of all, satisfy its customers — the students of U of T.

The reason for this major transition was simple, Crocker said. "Service and success. Our students were not getting the service they needed in order to succeed."

"The first-year experience is complex," Goldman explained. "It involves experiences inside and outside of the classroom, academic and co-curricular. The 'academic' student experience is largely influenced by the students' enjoyment of their courses and satisfaction with their grades. Across all three campuses we are endeavouring to provide each student with a meaningful connection to a campus community."

Goldman also co-presented a roundtable about the challenges and rewards of learning communities in large research universities.

When asked before he left what he hoped to bring back from the conference, Goldman replied, "Lots of good ideas and best practices to share with faculty colleagues, student services and student life professionals from across the university."



The proposed student commons and Centre for High Performance Sport will be constructed near the new Varsity Centre.

## Moving Forward on New Fitness Centre, Student Commons

By Althea Blackburn-Evans  
and Elaine Smith

THE UNIVERSITY OF TORONTO'S Governing Council approved an interim plan June 25 that will give U of T students a state-of-the-art new fitness centre, a place where Ontario's elite athletes can test and train and a student commons that offers another gathering place on the St. George campus.

The Centre for High Performance Sport, which will be located on Devonshire Place directly across from the new Varsity Stadium, will house a strength and conditioning centre, sports medicine clinic, a 2,000-seat basketball and volleyball court and teaching and research labs that will explore a range of issues relating to health and athletic performance.

"U of T is setting a new standard of excellence for every aspect of sport in Canada, from research and teaching to training and competition to medical innovation and sport science," said Professor Bruce Kidd, dean of the Faculty of Physical Education and Health.

The plan for a student commons arises out of a recent review of student activity space that recommended the development of a new large node on the St. George campus. The facility is proposed for the same site as the Centre for High Performance Sport and will provide another place on campus for students to meet friends, study, show films and host conferences. Among the features being considered are lounge space, a food court and meeting rooms, as well as offices for a number of student organizations.

While the Association of Part-time University Students let Governing Council know of its opposition to the two projects, student governors and other elected student representatives felt compelled to express strong support for both the centre and the student commons on behalf of their constituencies.

Eustafina Toledo, herself a part-time student and a member of the planning committee for each project, noted that the administration and UTSU had collaborated effectively to bring the centre and the commons to this stage. She told Governing Council that the student activity space was much needed and that the commons, with its location near transit and its round-the-clock hours, would be very convenient for students.

"I'm so happy and so relieved that these proposals have gained so much support," said fourth-year student Masha Sidorova, co-chair of the council of athletics and recreation, a committee that oversees intramurals and co-curricular athletic programs at U of T. "They will provide students with so much more opportunity to interact and have an enhanced experience outside the classroom."

The university aims to raise funds for the \$53-million Centre for High Performance Sport by the end of the year and begin construction in the fall of 2008.

The cost of the student commons is anticipated to fall within the \$25-million to \$36-million range and will be partially financed through a student levy, if it is approved by referendum this fall. The university will contribute 50 cents for each dollar the levy raises, a formula that has been successful at the two Mississauga and Scarborough campuses.

## Summer Learning Institutes Ease Transition for Incoming Students

By Amorell Saunders N'Daw

SUMMER BREAK FOR STUDENTS USUALLY means no more studying until September, but not at University of Toronto Scarborough, where an award-winning program uses the summer months to help incoming students effectively make the transition to university studies.

The summer learning institutes (SLIs) were created three years ago as a response to the concern that many high school students weren't adequately prepared for university. Originally started as a pilot project with 123 students, the institutes have grown to more than 400 stu-

dents who participate in programs that cover core university activities and courses: research, writing, presenting, English language development, math and science.

"The summer learning institutes are a great way for students to jump into university academic life and have a soft landing," said Professor Clare Hasenkampf, interim director of teaching and learning services at U of T Scarborough.

The programs promote self-directed learning and teach critical thinking skills, understanding of academic integrity and standards and time management. Students get hands-on experience working

on university assignments. Their work is marked and feedback provided.

### "THE SUMMER LEARNING INSTITUTES ARE A GREAT WAY FOR STUDENTS TO JUMP INTO UNIVERSITY ACADEMIC LIFE AND HAVE A SOFT LANDING"

Last year, the institutes were awarded a \$50,000 grant from U of T Student Experience Fund to expand the program. A summer learning institute for science is

being piloted this year.

"When I came to U of T Scarborough, I could not speak and write well in English so I enrolled in the English language development SLI," said Ying Huang, a third-year management student who receives good grades in her courses. "I learned so many useful things — critical thinking, academic vocabulary, reading academic texts, oral presentation and writing university assignments."

Everything was done in a fun away. I enjoyed learning, got a good foundation and became confident."

Sarah King, co-ordinator of the writing centre, a lecturer in English

and an institute instructor, has seen how much participants benefit from the experience. "Students 'taste' university in the company of an expert guide. They learn background information, ask questions and analyse the experience. Doing this seriously enables them to understand and appreciate the whole experience much better and to get a lot more out of it."

The quality of the SLI programs is recognized nationwide. Last year, the research, writing and presenting institute won an innovation award from the Canadian Association of College and University Librarians.

## U of T Offers a Summer

## Engineers Enjoy Enriched Experience

## RESEARCH:

By Liam Mitchell

**Students working in the Department of Chemical Engineering and Applied Chemistry this summer will receive more than a paycheque.** They will also expand their leadership skills, refine their communication abilities and become more self-aware through the Leaders of Tomorrow program.

Begin in 2002, the program is the brainchild of Professor Doug Reeve, chair of the department. He sought to provide an enrichment opportunity for the many students who work throughout the summer months in the departments research laboratories.

"I thought we could do so much more to improve the experience for our students," Reeve explained. He was concerned that students working in laboratories are largely engaged in independent projects without opportunities for personal growth or chances to engage with other students.

Leaders of Tomorrow provides students with the chance to meet every Friday afternoon for workshops and lectures based around three core themes: personal development, group leadership and leadership in society. In addition to time spent in the classroom, students also have the opportunity to tour industrial plants.

"I am really excited by the field trips," said Mandana Fazl, who just completed her second year in chemical engineering and is working this summer in the department's unit operations laboratory. "Up until now, I have only been in classrooms and haven't had the chance to see what it's really like in industry."

The 14-week program was organized by chemical engineering professor Emma Master. Though most of this year's 44 participants study chemical engineering, eight hail from other engineering departments. Students who attend 75 per cent of the sessions will receive a certificate of participation.

Annie Simpson, the engineering faculty's co-ordinator of

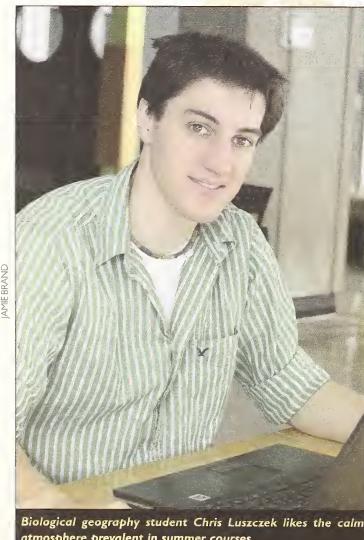
leadership development, is leading some of the workshops. She described the program as an opportunity to "... extend the education of engineering students beyond technical skills and encourage them to embrace the softer skills, which are

so important personally and professionally." Workshop topics include team building and conflict resolution.

For Fazl simply having the chance to get together with other students each week is enough incentive to participate. "I like having the opportunity to meet with students from other years. I can get advice from upper-year students and I can meet some first-year students and maybe offer some advice too."



Chemical Engineering students (left to right) Rhiad Gajraj, Mandana Fazl, Nicholas Peleato and Tarik Abdulla are taking part in this summer's Leaders of Tomorrow program.



Biological geography student Chris Luszczek likes the calm atmosphere prevalent in summer courses.

## STUDYING: Summer Courses Offer a Different Pace

**School's out for the summer ... for some.** For others, eager to ease their workload for the coming academic year or looking for a change of pace, the hot weather does not mean an end to classes.

Being on campus during the summer months offers a change of pace from the regular school year, said Chris Luszczek, a fourth-year biological geography student who is taking two courses this summer.

"It's a very different feel from how things work during the term," he said. "I think a lot of people get frustrated and bogged down with the way things work during the year and I think summer courses can be a really refreshing look at the university. There are fewer people and a calmer atmosphere."

Luszczek is currently completing an independent study project; at the end of the month he will travel to Alberta for a field course, his second after studying marine biology in New Brunswick last summer. "I really like the experience, I like doing the hands-on thing and they're outdoors. They're great classes, everyone has a lot of fun doing them and I find them really interesting. I think of them as a kind of vacation for myself as well," he said.

Erin Baig and Baldeep Asse met in July on the first day of their Canadian geography class. They bonded during the early morning bus rides from their home campus, Mississauga, to St. George, where the class is being taught.

Both fourth-year science students, Baig and Asse

are taking the course to lighten their workloads for next year. "You take two courses or a course out and you have more leisure with your other courses, you have more time for them instead of packing everything together," Asse explained.

While summer courses can be intense — for a half credit, four months of material is crammed into about six weeks — the learning experience is worth it, they said. Initially drawn to the course by the positive student feedback the professor had previously received, Baig is happy to have the opportunity to learn about Canadian geography, a subject she has not taken before. "I didn't get a chance to study Canada or geography in high school, so it's a good introductory course," she said.

Asse agreed, adding that the professor, Joe Leydon, has made the material more interesting through his teaching style. "He's really funny. Every two minutes he'll crack a joke and you'll just laugh so hard, but you'll remember the content because you'll remember the joke that he told," she said.

Aside from the enjoyment offered by the class, both students see it as an opportunity to ease the transition from summer back into school. "You get yourself into the pace again; that's why I like taking second-half courses," said Asse. "When you start in September, the kids who had all [summer] off have to get out of the partying mode, where we're right into the studying mode, so I think it's a lot better."

# Student Experience

Stories By Michelle MacArthur

## WORKING:

### Students Help Keep Campus Beautiful

**For university community members and visitors alike,** there is no better time than summer to admire the greenery on campus. And, for a small group of students each year, the work needed to keep the campus beautiful provides a perfect opportunity for summer employment.

Each year, facilities and services hires a group of students to join full-time staff as members of the university's grounds crew. Students work from 7:30 a.m. to 4:00 p.m. each day, cutting grass, weeding and planting trees and other greenery.

Working outdoors on campus has many benefits, said members of one grounds crew. Janine Davies, a recent U of T graduate who is starting the teacher education program at OISE/UT in the fall, has worked with facilities and services for the past two summers. The opportunity to work outside and be physically active has kept her coming back, she said. "I find it good to know you're doing something. Other jobs I've had I was sitting inside all day, not moving," said Davies, who, like many of the students she works with, is also a Varsity athlete.

"It's just a good job, it's fun. You get to work with these great guys," she added, referring to her fellow crew members.

Max Sisam, a second-year student in McGill's management program who was hired for the first time in the spring, agreed, adding that he also enjoys working with the full-time staff. Indeed, all of the students sung the praises of their lead hand, full-time staff member Doug Taylor. "He's the fuel that lights our fire!" declared Heather Mulligan, a fourth-year physical education student.

The friendliness between crew members makes the work easier, agreed the group, as teamwork is a necessity. "You're always working with people. The job that you do always depends on the job your partner is doing," Davies said.

The social aspect of the job also allows for some fun after a day of hard work: in order to cope with the summer heat, crew members have been known to initiate the occasional water fight.

And aside from the attraction of working with other students, the landscaping work also offers a sense of pride, said

Sarah Carr, a third-year physical education student. "You look at something you did and you say, oh I planted that!"

While none of the students had extensive related experience before starting their jobs, they all said they were pleased with their newly acquired skills. "Now I know what a weed and what's a flower," said Sisam.

"These are good skills to know... Knowing how to do it helps," said Mulligan.

Davies agreed, adding, "We're going to have beautiful gardens at our houses."



OISE/UT graduate student Janine Davies and physical education student Heather Mulligan enjoy the opportunity to work outdoors during the summer.

## SUMMER ABROAD:

### Taking Part in Canada's Largest Program

**It was a serendipitous moment that convinced Ali Okhawat to study in Hong Kong during the summer of his first year of university.**

"I remember sitting in my basement at the peak of a wild blizzard, cramming for the first four months of university courses. I had zero energy left to study and so I closed my eyes to try to refocus and find some motivation to keep studying," he recalled.

"When I opened [my eyes], I happened to be staring right at the summer abroad course catalogue and a picture of a Chinese sailboat. I flipped to the Hong Kong page and right then and there, I decided I wanted to travel to Hong Kong that summer."

Like the more than 800 students participating in U of T's summer abroad programs this year, Okhawat, who participated in the program in 2001, was attracted by the prospect of enjoying a unique learning experience while living in a new and different place. "I wanted to explore another culture, learn about the history of the region and meet others from U of T with similar interests," he said.

Established in 1972 with the Siena, Italy, summer program, U of T's study abroad program has grown to be the largest of its kind in Canada, featuring more than 10 locations around the globe in 2007. The Hong Kong program is celebrating its 10th anniversary this year.

Yvette Ali, director of professional and international programs at Woodsworth College, which administers all of the university's summer abroad programs, attributes their popularity to their unique ability to combine academic learning with the

experience of living in a different culture. "The big pro of our program is that all the courses are relevant to the site. We don't offer a course that isn't related to the site in any way," Ali said.

"With the exception of language courses, they all have field trips that complement the course material and highlight the course material," she added.

This was a highlight for Okhawat. "The city was really our textbook and so much of what we were learning was around us that I remember grinning silly some days when I woke up, thinking how amazing it was to have the opportunity to not just be in Hong Kong but to be around all these other students from U of T, some who turned out to be mentors for me later on," he said.

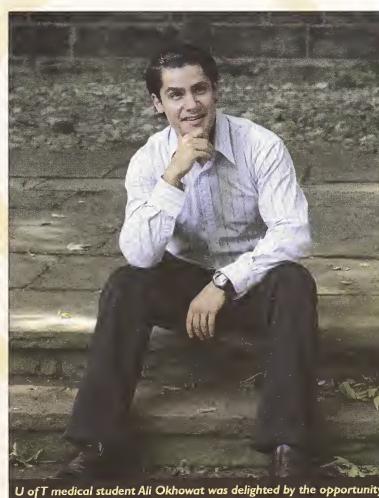
The programs, which run four to eight weeks and feature one to 10 university credit courses per site, are generally taught by U of T faculty, who for their part, enjoy the experience just as much as the students.

Bart Testa, a senior instructor in cinema studies at Innis College, taught his course on contemporary Chinese cinema for the first time in 2006 and plans on returning to teach in Hong Kong next summer.

"I think we got a lot more of a sense of what it is to live in Hong Kong than we would have otherwise, which was super valuable to us," he said.

As for Okhawat, catching the travel bug was just the beginning. Now a second-year medical student, Okhawat has gone on to teach English in rural China and return again to participate in the making of an HIV/AIDS documentary. He also credits his experience in Hong Kong with piquing his interest in international health.

Simply put, when asked how his experience abroad impacted him, Okhawat replied, "How did it not impact me?"



U of T medical student Ali Okhawat was delighted by the opportunity to explore another culture during his summer abroad.



## USW Job Evaluation Underway

By Lanna Crucifix

OVER THE SUMMER AND INTO the fall, United Steelworkers (USW) employees will be asked to fill out a questionnaire concerning the education, skills, responsibilities and effort required for their jobs. A joint project between USW Local 1998 and the university, the questionnaire is a vital component in developing the new job evaluation system for USW positions.

"Both the university and the union have worked hard to ensure that the questionnaire will capture additional information that may be absent from the job description," said Christina Sassi-Kortsak, assistant vice-president (human resources). The current questionnaire was significantly revised as a result of a pilot conducted in the spring with 50 USW employees and their managers and is now quicker and easier to complete, she added.

USW employees can expect their questionnaire to be distributed via e-mail from Noro Online Research (a research company hired to administer the online questionnaire) over the next few months. Once the questionnaire is sent, employees will have three weeks and be given up to three hours of release time to complete it. This three hours may also include an interview with a

USW union representative if the employee has not yet had one and wishes to have one. Union representatives will also be available to offer assistance.

When the employee has completed the questionnaire, his or her manager will have one month to review the questionnaire and provide additional comments. The questionnaire will then be returned to the employee, who will have three days to provide further comments.

"Some USW employees may already have had an interview or filled out a questionnaire for the union about their job responsibilities," said Sassi-Kortsak. "This was part of the USW's own information gathering process."

All USW employees are now being asked to fill out this current questionnaire, which was agreed upon between the union and the university. This questionnaire, along with the job description and other relevant information, will be used to rate USW jobs.

The questionnaire is the latest development in the negotiations between the university and USW to develop a new job evaluation system. The new job evaluation system, called the SESU system (Simple Effective Solution — University) is based on a job evaluation system developed by USW but adapted to reflect the university context. When completed, the new system will better reflect the work done at U of T by USW members and will continue to be compliant with the Pay Equity Act.

Divisional human resources representatives are available to answer questions from both USW employees and managers. Contact information may be found at [www.hrandequity.utoronto.ca/about/divisional.htm](http://www.hrandequity.utoronto.ca/about/divisional.htm). Visit [www.hrandequity.utoronto.ca/news/sesu/uswinfo.htm](http://www.hrandequity.utoronto.ca/news/sesu/uswinfo.htm) to view a PDF version of the questionnaire. Information about job evaluation and the SESU project can be found at [www.hrandequity.utoronto.ca/news/sesu.htm](http://www.hrandequity.utoronto.ca/news/sesu.htm).

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## THURSDAY, JULY 26

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## TUESDAY, AUGUST 4

The 55th enlarged architectural photograph collection is drawn from the Canadian Architectural Archives' Panda Collection. Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.; Saturday, noon to 4 p.m.

## COMMITTEES

## SEARCH

**Vice-principal and dean of the University of Toronto Mississauga:**

In accordance with Section 62(6) of the Policy on Appointment of Academic Administrators, President David Naylor has appointed a committee to recommend the appointment of a vice-principal and dean of the University of Toronto Mississauga. Members are: Professor Ian Orchard, vice-president academic and provost; Professor Michael Freedman, interim vice-provost; Elizabeth Cooper, vice-dean (programs); School of Graduate Studies; Amy Molin, philosophy; UTM; Kathi Wilson, geography; UTM; Pascal Michelucci, French, German and Italian; UTM; Anthony Wensley.

management, UTM; David Cameron, political science, Faculty of Arts & Science; John Coleman, vice-principal (research and graduate studies), UTM; and Carol Roheiser, associate dean (teaching), UTM. The OISE/UT and Waugh Ghebremedhin, chair of the physical sciences, UTM; Mary Ann Mariano, chief librarian, UTM; Lynn Stowkow, assistant dean, UTM; and Tasif Al-Sarrar, graduate student and Shahmar Sayad, undergraduate student, UTM.

The committee welcomes comments and nominations from interested persons. These should be sent to Colleen McColeman, executive assistant to the vice-president and principal, Room 3135-37, University of Toronto Mississauga, e-mail, [cmccolem@utm.utoronto.ca](mailto:cmccolem@utm.utoronto.ca).



Saturday, September 8, 2007

**University of Toronto Day of Community Service  
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**ROBARTS LIBRARY  
Seas of Ink: Books  
by Canadians Recommended  
by U of T Library Staff.**

## TUESDAY, AUGUST 31

Fifth annual summer reading exhibition features 50 books by Canadian authors. First-floor exhibition area. Hours: Monday to Thursday, 8:30 a.m. to 11 p.m.; Friday, 8:30 a.m. to 11 p.m.; Saturday, 9 a.m. to 5 p.m.; Sunday 1 to 6 p.m. Information: [www.library.utoronto.ca/event/canadian](http://www.library.utoronto.ca/event/canadian)

**THOMAS FISHER RARE  
BOOK LIBRARY  
"The Age of Guessing Is  
Passed Away."**

## TUESDAY, AUGUST 31

Part of the centennial-wide commemoration of the bicentennials (2007-2011) of David Thompson, land geographer; features manuscript narrative of his *Journals* and other writings in an examination of the role of the fur trade in the mapping of Canada. Hours: Monday to Friday, 9 a.m. to 5 p.m.

**OISE/UT  
OISE D&A**

## TUESDAY, AUGUST 18

An exhibition celebrating the design art and architecture of the Ontario Institute for Studies in Education of the University of Toronto. Library ground floor, 252 Bloor St. W. Hours: Monday to Thursday, 9 a.m. to 8 p.m.; Friday and Saturday, 1 a.m. to 5 p.m.

## DEADLINES

Please note that information for the Events listing must be received at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of August 21 for events taking place Aug. 21 to Sept. 11: TUESDAY, AUGUST 7.

# REDEFINING PERSPECTIVES ON ENERGY

**Division of Environmental Engineering and Energy Systems Helps to Treat Earth With More Care**

BY BRYAN KARNEY

**I**MAGINE YOU ARE AT NIAGARA FALLS. IT'S MID-DAY AND HOT BUT YOU ARE REFRESHED NOT ONLY by the sound but by spray drifting on the wind. You peer over the railing and watch the smash of the water torn by air and rocks, mesmerized by the power.

This is the context of energy and the environment — the remarkable environment that sustains the river, the hydrology that established the flow and the rock that, for a time, resists the relentless pounding. But the drama of the scene, the overwhelming presence of the falls, is not just the water but partly the incredible rates of energy transformation. Gravity, the drop, the weight of the water — all are transformed into this roar of falling water, the rising spray and the deep throb within the rock.

How much energy is involved in what you see? The height of the falls is just over 50 metres and the flow is typically well over 5,000 cubic metres per second. But what makes this falls — what makes almost any waterfall — so impressive is the reality of the product of these two numbers, a number related to a fall's energy conversion rate. For Niagara, energy is transformed at about 3,000 million watts. This is not a number that can be understood on its own terms — rather it is the impressive experience of the falls that defines this measure and gives it meaning.

Humans have had incredible success in making staggering quantities of energy available for ready use. Considering Ontario alone — not including the energy we use in our cars and planes or the natural gas we use in our homes — our peak electricity usage amounts to about nine "fully loaded" Niagars.

Our human consumption can be pictured in another way. Consider that a kilowatt hour (kWh) costs about six cents in Ontario today. But how much energy is a kilowatt hour? Ever lugged a 25-litre water jug, like ones used in water coolers? One obvious observation — such jugs are heavy and not easy to carry far. Imagine now that you have the unavoidable task of carrying two full 25-litre jugs up the stairs at the CN tower. How high would you have to go before you have raised their gravitational energy by one kilowatt hour? Don't just read this — imagine yourself actually doing it. Imagine how far you'd lug this water for six cents.

Here's the staggering part. To get the same energy as one kilowatt hour, you'd have to carry these two jugs not just up a few flights and not just to the observation deck but to the very top of the tower — 553 metres above where you started. But you're not even close to being done. You'd have to do this, not once, but 13 times! Can you imagine asking someone to do this and then paying them six cents for their effort? It'd be slave labour. And perhaps this is what defines our collective attitude towards nature — as our energy slave, delivering without adequate compensation what we'd never do ourselves.

Yet we need one more piece of data to round things out. It is this: the average home uses almost 30 kWh of electricity each day. In fact, Canadians use an energy equivalent, from all sources, of some 100,000 kWh per person per year. This is the equivalent to having five Olympic pools — like the one over at the Athletic Centre — full of water drop from the 553-metre top of the CN tower. And yet we all quietly unleash great consequences by the myriad ways we presume to use energy, by our flick-of-the-switch dispatch to the myriad tasks, devices and processes that characterize modern life.

And so what we have in Ontario, and most of North America for that matter, is a society that over consumes precious resources because it's cheaper, convenient and even perceived by some as healthy for the economy. So we consume resources at exorbitant rates, perhaps sometimes recognizing, in a moment of reflection, the unsustainability of all this. Canada has one of the highest consumption rates of total energy use per capita. If current trends continue, where will the required energy come from? What kinds of environmental effects will the harvesting of energy produce? How can the supply and price of other resources remain reliable, secure and stable? The nexus of these questions again underlines the integrated fabric of energy and the environment. Ultimately it is both energy and the environment that are the foundation of our society, infrastructure and lifestyle.

As of July 1, the Division of Environmental Engineering has expanded its teaching mandate and research towards an integrated focus on both energy and the environment. This newly evolved Division of Environmental Engineering and Energy Systems (EEES or e3s) emphasizes the importance of linking two critically important disciplines. The goal is to be a resource and focal point for the campus and to provide engineering students with a more

holistic educational experience, one designed to meet the pressing and dynamic needs of modern society.

The Division of Environmental Engineering and Energy Systems resides within the Faculty of Applied Science and Engineering and currently works in collaboration with civil engineering, chemical engineering and applied chemistry; mechanical and industrial engineering and materials science engineering. EEES is also partnering with the Division of Engineering Science to introduce an exciting new energy option into the undergraduate program. Although this program will focus on electrical energy, it will broadly include policy, environmental and contextual issues in its design.

In fact, the expanded mandate of the division will seek to link the environmental, social, ecological and economic ramifications of energy systems that relate to all disciplines in engineering and that have such relevance to other programs as well. Energy systems are going through evolving periods of rapid growth and expansion, adapting to newer, stricter environmental ordinances while simultaneously providing for human use. All these

issues require serious rethinking in the light of global change, resource depletion and a general appreciation that we live in a single world. In fact, to emphasize these connections, one of the new core courses (tentatively titled Terrestrial Energy Systems) will introduce the role and significance of energy conversion and storage for Earth as a whole, including everything from solar energy capture and redistribution through wind and weather to ocean currents, waves and volcanic activity.

The overall question for the division centres on how to best preserve our environment and our economy within the constraints that nature, technology and ethics dictate. What is the best way to leverage our collective strategies to ensure that we do not overburden the natural buffers of our ecosystem? Our environment provides us with the resources to harvest energy, generate power and live, work and grow, but what are the costs associated with such intelligent progress? What metrics do we use to compare and decide?

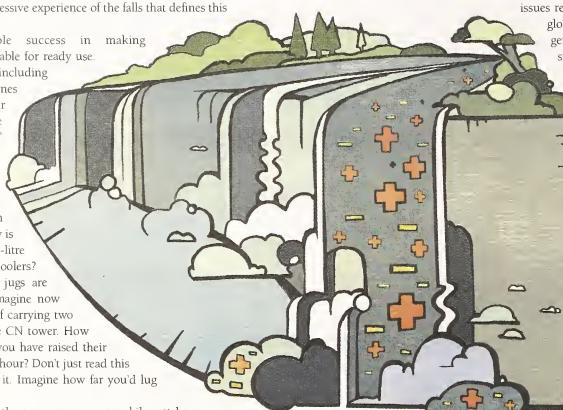
The answers to these questions cannot be resolved by fragmented approaches. The courses offered to students studying environmental engineering and energy systems will include the technical necessities to understand energy infrastructure but also present the larger contexts. We will go farther than the individual fragmented technologies to address repercussions and integrated impacts.

EEES will also be instituting a flexible energy minor for all undergraduates of the Faculty of Applied Science and Engineering. The division has partnered with the Centre for Environment and School of Public Policy and will be offering joint courses to better inform and educate future students.

The division's general mandate stresses the interconnections, tradeoffs and a holistic view of our resources and is not singly focused on a particular technology, program or policy. As such, EEES recognizes that the practical applications and theoretical constructs also need to be combined for an effective educational experience. A commitment to innovation and interdisciplinary collaboration has brought about the expansion of the new division and will continue to be a primary pillar of the division's foundation and future ventures. These first attempts at our larger vision — to provide an international presence and to attract research talent, innovation and collaboration — we hope to be similar to the experience of standing next to 3,000 megawatts of raw power — vigorous, exhilarating and slightly overwhelming.

Who we live in modern society are truly energy addicts and the crucial question — the question that will take the combined efforts of society and the whole mandate of a great university — is that we must learn to break this energy addiction. Our quest must be to learn again how to live more gently on this remarkable planet that has supported so many of us for so long.

Bryan Karney is chair of the Division of Environmental Engineering and Energy Systems and a 2007 winner of the President's Teaching Award.



MONTREAL